

10/28828986

Atty Dkt. No.: 10031482-1
USSN: 10/828,986

AMENDMENTS TO THE CLAIMS

Please amend the claims as shown below. A complete listing of the claims, including their current status identifier, is set forth below.

1. **(Currently amended)** A CpG unstructured nucleic acid (UNA) oligonucleotide containing at least one UNA nucleotide and which hybridizes under stringent ~~assay~~ hybridization conditions to a discrete region of a genome that contains a CpG that is, or is predicted to be, a target for a cellular methyltransferase.
2. **(Currently amended)** The oligonucleotide of claim 1, wherein said CpG UNA oligonucleotide binds to an uncleaved CpG island, but not to a CpG island cleaved by a methylation-sensitive restriction enzyme, under stringent ~~assay~~ hybridization conditions.
3. **(Original)** The oligonucleotide of claim 1, wherein said oligonucleotide comprises nucleotides G' and C', wherein said nucleotides G' and C' base pair with each other with a stability that is lower than that of G and C.
4. **(Original)** The oligonucleotide of claim 1, wherein said oligonucleotide comprises nucleotides A' and T', wherein said nucleotides A' and T' base pair with each other with a stability that is lower than that of A and T.
5. **(Original)** An array of features comprising at least one feature comprising an oligonucleotide of claim 1.
6. **(Original)** The array of claim 5, wherein said array comprises at least 1000 different CpG UNA oligonucleotide features.
7. **(Withdrawn)** A method for evaluating methylation of a CpG island, comprising

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